

TYPICAL LINED MILL LOADING

For wet grinding porcelain enamel material

55% ceramic ball charge / material to void ratio 1.1:1 / mill speed 60% of critical (Nc)

		Material Charge			Ball Charge			
		Lbs of Dry Material		Gallons	Arcite	Porox		
Mill Size (dia x len)		Arcite 30 oz/pt	Porox 28 ox/pt	Slip Volume	lbs@ 55% Volume	lbs @ 55% Volume	Total Mill Volume cu/ft	Critical Speed (Nc)
15" x 21"	1-1/2" Lining	30	30	3	80	59	1.2	70.7
21" x 28"		100	90	8	253	187	3.8	60.0
2' x 3'		175	165	15	451	334	6.6	56.0
2'6" x 3'6"		350	320	30	875	647	12.9	49.7
3' x 4'	2' Lining	550	500	46	1,390	1,030	21	45.5
3'6" x 4'0"		750	700	63	1,970	1,460	29	42.0
4' x 5'		1,300	1,200	109	3,360	2,480	49	39.1
5' x 4'		1,600	1,500	134	4,270	3,160	63	34.8
5' x 6'		2,500	2,400	210	6,600	4,870	97	34.8
6' x 5'		3,000	2,900	250	8,000	5,910	118	31.7
6' x 8'		5,000	4,700	420	13,100	9,700	193	31.7
6' x 10'		6400	6000	500	16600	122500	243	31.7
8' x 6'		6,800	6,400	570	17,700	13,100	261	27.3
8' x 10'	11,700	11,200	980	30,500	22,500	448	27.3	